



CONSTRUCTION EQUIPMENT

VOLVO A45G 352565 - REAR AXLE



Sample No: VCP428939
Oil Type: GEAR OIL SAE 80W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP428939	VCP428930	VCP416722	VCP412953
Sample Date	06 Dec 2023	03 Oct 2023	31 Jul 2023	31 May 2023
Machine Hours	8568	8080	7625	7148
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	213	297	297	297
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	4	4	3
Sodium	ppm	0	0	0	<1
Potassium	ppm	1	<1	<1	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	21	45	39	32
Copper	ppm	0	1	1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	0	<1	0
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	9	2	2	1
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	130	77	68	65
Magnesium	ppm	43	37	36	35
Zinc	ppm	110	100	91	75
Phosphorus	ppm	1029	1068	1057	1037
Barium	ppm	0	0	0	0
Boron	ppm	162	181	252	192

Depot: SAIBIR
Unique No: 10789002
Signed: Don Baldrige
Report Date: 17 Dec 2023



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GRAPHS

